

ABSTRACT OF THE DISCLOSURE

Disclosed is a burning/melting system for treatment infectious trash, which includes a trash feeding pipe to which the infectious trash is supplied; 5 burners for burning the infectious trash supplied through the trash feeding pipe by using Brown's gas, when the amount of the infectious trash reaches a predetermined level; a melter for melting burned residues and glasses discharged from the burners thereto by using the Brown's gas; a post-combustion chamber for combusting toxic fumes produced from the 10 burners and the melter by using the Brown's gas; a gas analyzing line for analyzing the toxic fumes having been combusted in the post-combustion chamber and if the amount of toxic elements contained in the combusted fumes exceeds a standard level, for feeding the combusted fumes back into the burners; and a gas outlet for discharging the combusted fumes to the outside if 15 the amount of toxic elements contained therein is less than the standard level.

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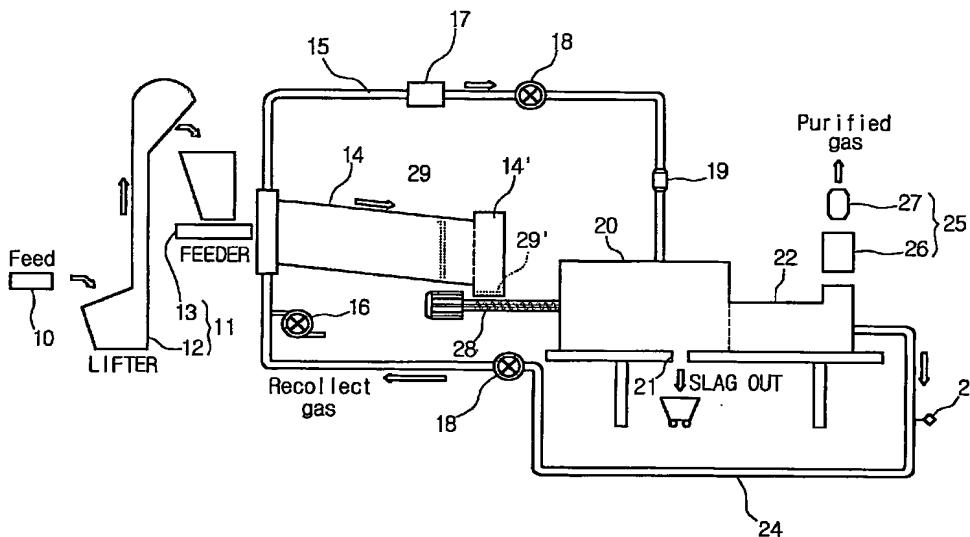
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(54) Title: BURNING AND MELTING SYSTEM OF INFECTION TRASH



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(57) **Abstract:** Disclosed is a burning/melting system for treatment infectious trash, which includes a trash feeding pipe to which the infectious trash is supplied; burners for burning the infectious trash supplied through the trash feeding pipe by using Brown's gas, when the amount of the infectious trash reaches a predetermined level; a melter for melting burned residues and glasses discharged from the burners thereto by using the Brown's gas; a post-combustion chamber for combusting toxic fumes produced from the burners and the melter by using the Brown's gas; a gas analyzing line for analyzing the toxic fumes having been combusted in the post-combustion chamber and if the amount of toxic elements contained in the combusted fumes exceeds a standard level, for feeding the combusted fumes back into the burners; and a gas outlet for discharging the combusted fumes to the outside if the amount of toxic elements contained therein is less than the standard level.